

**UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

NM OIL CONS. COMMISSION (See of structure on reverse side)
Alameda, NM 88210

Form approved.
Budget Bureau No. 42-R355.5.

RECEIVED

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____ b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		2. NAME OF OPERATOR Pogo Producing Company		3. ADDRESS OF OPERATOR P.O. Box 10340, Midland, Texas 79702-7340 (915)682-6822		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 990' FSL & 990' FWL, Section 1, T-22-S, R-31-E At top prod. interval reported below same At total depth same		14. PERMIT NO. _____ DATE ISSUED 11-22-92		5. LEASE DESIGNATION AND SERIAL NO. NM-12845		6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____		7. UNIT AGREEMENT NAME _____		8. FARM OR LEASE NAME Federal 1		9. WELL NO. 5		10. FIELD AND POOL, OR WILDCAT Livingston Ridge, Del.		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 1, T-22-S R-31-E		12. COUNTY OR PARISH Eddy		13. STATE New Mexico			
15. DATE SPUDDED 01-28-92		16. DATE T.D. REACHED 02-09-92		17. DATE COMPL. (Ready to prod.) 02-29-92		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3553.6 GR		19. ELEV. CASINGHEAD 3552.6		20. TOTAL DEPTH, MD & TVD 8485'		21. PLUG, BACK T.D., MD & TVD 3447'		22. IF MULTIPLE COMPL., HOW MANY* --		23. INTERVALS DRILLED BY --		ROTARY TOOLS 0'-8485'		CABLE TOOLS --		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Delaware - 7042'-7084' MD & TVD		25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, CNL, & CBL		27. WAS WELL CORED Yes	
28. CASING RECORD (Report all strings set in well)																													
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED																			
13-3/8"		61#		838'		17-1/2"		1025 sx-Circ 200 sx																					
8-5/8"		32#		4269'		11"		1825 sx-Circ 208 sx																					
5-1/2"		15.5# & 17#		8485'		7-7/8"		1365 sx-TOC 2120' CBL																					
								Stage Tool @ 617'																					
29. LINER RECORD																													
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		30. TUBING RECORD		SIZE		DEPTH SET (MD)		PACKER SET (MD)													
										2-7/8"		7100'		None															
31. PERFORATION RECORD (Interval, size and number)																													
7042'-7084' - 42 holes .5" Dia. 120 degree Phase																													
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																													
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED																													
7042'-7084' 2,000 gals 15% NEFE																													
7042'-7084' 30,000 gals pad																													
86,560 lbs. 20/40 sand																													
33. PRODUCTION																													
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or shut-in)																									
02-21-92		2 1/2 X 1 1/2 X 26-5		Producing																									
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO															
03-04-92		24		--		--		303		155		99		512/1															
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)																	
--		50		--		303		155		99		37.8																	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)																													
Vented																													
35. LIST OF ATTACHMENTS																													
C-104, Sundries, Logs, Deviation Surveys, C-116																													
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																													
SIGNED		TITLE		DATE																									
Richard L. Wright		Division Operations Supt.		March 9, 1992																									

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH TOP	TRUE VERT. DEPTH
Delaware			Cored 7010' to 7068' - recovered 57 FT core	Basal Anhydrite Delaware Lime Bell Canyon Cherry Canyon Brushy Canyon Bone Spring	4143' 4438' 4520' 5343' 6622' 8368'	Log Log Log Log Log Log

WELL NAME & NUMBER Federal 1-#5**CONFIDENTIAL**LOCATION Sec.26, T22S, R31E Eddy Co., NM
(Give Unit, Section, Township and Range)OPERATOR Pogo Producing P.O. Box 10340 Midland, Tx 79702DRILLING CONTRACTOR Grace Drilling Company P.O. Box 13480 Odessa, TX 79768

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>	<u>DEGREES @ DEPTH</u>
<u>1.25 492</u>	<u>.25 6772</u>	<u> </u>	<u> </u>
<u>1.00 838</u>	<u>.50 7010</u>	<u> </u>	<u> </u>
<u>.50 1338</u>	<u>1.00 7526</u>	<u> </u>	<u> </u>
<u>.75 1811</u>	<u>1.00 7996</u>	<u> </u>	<u> </u>
<u>1.00 2312</u>	<u>2.00 8485</u>	<u> </u>	<u> </u>
<u>2.00 2815</u>	<u> </u>	<u> </u>	<u> </u>
<u>3.00 3015</u>	<u> </u>	<u> </u>	<u> </u>
<u>2.25 3247</u>	<u> </u>	<u> </u>	<u> </u>
<u>1.50 3507</u>	<u> </u>	<u> </u>	<u> </u>
<u>2.00 3762</u>	<u> </u>	<u> </u>	<u> </u>
<u>1.75 4269</u>	<u> </u>	<u> </u>	<u> </u>
<u>1.75 4770</u>	<u> </u>	<u> </u>	<u> </u>
<u>1.50 5263</u>	<u> </u>	<u> </u>	<u> </u>
<u>.75 5767</u>	<u> </u>	<u> </u>	<u> </u>
<u>.75 6267</u>	<u> </u>	<u> </u>	<u> </u>

Drilling Contractor Grace Drilling CompanyBy L. V. BohannonSubscribed and sworn to before me this 14th day of February, 1993
L. V. Bohannon - Drlg. Supt.Debra Wadle
Notary PublicMy Commission Expires 10-1-94Ector County TexasOFFICIAL SEAL
DEBRA WADLE
NOTARY PUBLIC
FOR THE STATE OF TEXAS
My Comm Expires 10-01-94